Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1.   (Currently Amended) A method of predictive predownloading of next objects with delta encoding, including steps of:

receiving from a client a request for an object ~~a web page~~;

updating a prediction map in response to the ~~said~~ request and a referring ~~web~~ page that indicates an object just previously requested by the client ~~for said request~~, the ~~said~~ prediction map associating the requested object ~~said web page~~ with ~~at least one~~ next objects likely to be requested ~~page~~;

maintaining ~~for said web page~~ a stored set of templates for the requested object;

calculating delta information for one particular template of the stored ~~, wherein~~ said set of templates ~~include at least one template for said at least one next page~~; and

sending to the client (i) a hint that includes a suggestion to download a ~~said template for at least one~~ next object based on the prediction map ~~page,~~ and (ii) delta information for the requested object that specifies the particular template ~~said web page to said client~~.

2.   (Currently Amended) The [[A]] method of ~~as in~~ claim 1 wherein the requested object comprises a ~~, including the step of integrating said template with said delta information and presenting said~~ web page ~~to said client~~.

3.   (Currently Amended) The [[A]] method of ~~as in~~ claim 1[[,]] wherein the hint comprises information to be stored in a client cache ~~said referring page includes a reference to an object previously requested by said client~~.

4.   (Currently Amended) <u>The</u> [[A]] method <u>of</u> ~~as in~~ claim 1 <u>wherein the</u> ~~, also including a step of~~ sending <u>step comprises sending to the</u> ~~a hint to said~~ client <u>the</u> ~~, wherein said hint includes a suggestion to download at least one said~~ <u>next object</u> ~~page or the template for that next page~~.

5.   (Currently Amended) <u>The</u> [[A]] method <u>of</u> ~~as in~~ claim 1[[,]] <u>wherein the maintaining step comprises</u> ~~including steps of calculating new delta information for said web page; and~~ conditionally building a new template ~~in response to said new delta information; wherein said new template is built~~ when <u>the</u> ~~said new~~ delta information exceeds a selected threshold.

6.   (Currently Amended) <u>The</u> [[A]] method <u>of</u> ~~as in~~ claim 1[[,]] <u>wherein the maintaining step comprises</u> ~~including steps of~~ determining <u>a</u> ~~the~~ number of changes made to a set of selected objects[[;]] and conditionally building a new template ~~in response to said number of changes; wherein said new template is built~~ when <u>the</u> ~~said~~ number of changes exceeds a selected threshold.

7.   (Currently Amended) <u>The</u> [[A]] method <u>of</u> ~~as in~~ claim 6[[,]] wherein <u>the</u> ~~, wherein said~~ selected threshold includes a reference to one or more of the following: object age, object size, object type and operator selection.

8.   (Currently Amended) An apparatus for predictive <u>predownloading</u> <s>download</s> of templates with delta encoding, including<u>:</u>

a delta encoder <u>configured to calculate</u> <s>, wherein said delta encoder calculates</s> delta information for a <u>requested</u> web page <u>responsive to a stored set of templates</u> <s>and evaluates the size of the delta information with respect to a threshold value</s>;

a template builder<u> configured to build</u> <s>; wherein said template builder calculates</s> a new template for <u>the requested</u> <s>said</s> web page if the delta information for <u>the requested</u> <s>said</s> web page exceeds <u>a</u> <s>said</s> threshold value; and

a predictor <u>configured to determine</u> <s>; wherein said predictor determines</s> a set of next web pages <u>likely to be requested in response to the requested</u> <s>from</s> <s>said</s> web page and <u>a referring page that indicates a web page just previously requested, the predictor also</u> interacts with <u>the</u> <s>said</s> template builder to build <u>a</u> template for <u>at least one of the set of</u> <s>each</s> next web page<u>s</u>.

9.   (Currently Amended) <u>The</u> <s>An</s> apparatus <u>of</u> <s>as in</s> claim 8[[,]] wherein <u>the</u> <s>said</s> threshold value includes a reference to one or more of the following: object age, object size, object type and operator selection.

10.   (Currently Amended) <u>The</u> <s>An</s> apparatus <u>of</u> <s>as in</s> claim 8[[,]] wherein <u>the</u> <s>said</s> template builder <u>builds the</u> <s>calculates</s> at least one template <u>of the set of</u> <s>for at least one</s> next web page<u>s</u>.

11.   (Currently Amended) <u>The</u> <s>An</s> apparatus <u>of</u> <s>as in</s> claim 8[[,]] wherein <u>the</u> <s>said</s> predictor generates a hint <u>that</u> <s>, wherein said</s> hint includes suggestions to a client what <u>next object</u> to download <s>next</s>.

12.   (Currently Amended) <u>The</u> <s>An</s> apparatus <u>of</u> <s>as in</s> claim 11[[,]] wherein <u>the</u> <s>said</s> hint includes URLS of templates for likely next pages.

13.   (Currently Amended) The An apparatus of as in claim 11[[,]] wherein the said hint includes information to be stored for storing said template in said a client cache.

14.   (Canceled)

15.   (Canceled)

16.   (Canceled)

17.   (Canceled)

18.   (Canceled)

19.   (New) The apparatus of claim 11 further including a message generator configured to send to a client (i) the hint and (ii) delta information for the requested web page.

20.   (New) The apparatus of claim 19 wherein the message generator is configured to send to a client the next object identified by the hint.